BRUHAT BENGALURU MAHANAGARA PALIKE

Rajarajeshwari Nagar Division

Name of Work: **Providing C.C Camera at Garbage Block Spots in Ward No. 16**

							Estimate Cost Rs.	1000000.00	Lakhs
Sl. No.	Description of Item	Unit	No.	L(m)	B(m)	D(m)	Qty.	Rate(Rs)	Amount(Rs)
A.	**Part I - Civil Works**								
1	KSRRB 300 - 1 : **Earthwork excavation** by manulal means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / chapter 3 (Page no-142,item no19.1)2016-2017 PWD SR								
	Excavation for CCTV Pole Fixing	Cum	13	0.50	0.50	1.40	4.55		
				Basic Rate				82.00	
				item 17.1Loading and Unloading				68.00	
				Add for lead for earth (1.28 Tonne / Cum) for 20km			20X2.82	64.00	
				Weightage *6%				12.84	
							4.55	226.84	1,032.00
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.3 of PWD SR 2016-17)								
	Bed Concrete	Cum	13	0.50	0.50	0.10	0.33		
				Basic Rate				4867.00	
				Weightage *6%				292.02	
							0.33	5159.02	1,677.00
3	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.5 of PWD SR 2016-17)								
	Concrete for Holding Pipe	Cum	13	0.40	0.40	1.30	2.70		
				Basic Rate				5542.00	
				Weightage *6%				332.52	
							2.70	5874.52	15,885.00
4	2.0 Mega Pixel high definition upto 60 Mtr IR Night Vision CCTV Camera - EXIR with SD Card provision. (Approved Rate Sl.No. 1)								
		Nos	20				20.00		
				Approved Rate				9750.00	
							20.00	9750.00	195,000.00
5	4.0 Mega Pixel high definition upto 60 Mtr IR Night Vision CCTV Camera - EXIR with SD Card provision. (Approved Rate Sl.No. 2)								
		Nos	16				16.00		
				Approved Rate				16247.00	
							16.00	16247.00	259,952.00

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Sl. No.	Description of Item	Unit	No.	L(m)	B(m)	D(m)	Qty.	Rate(Rs)	Amount(Rs)
6	Pole - Swg 20 Ft Height 100mm for PTZ erection with civil work, transportation. (Approved Rate Sl.No. 4)								
		Nos	13				13.00		
			Approved Rate					2500.00	
							13.00	2500.00	32,500.00
7	16 Channel NVR (NVR Default without HDD) with 2SATA H264 compression. (Approved Rate Sl.No. 5)								
		Nos	3				3.00		
			Approved Rate					16450.00	
							3.00	16450.00	49,350.00
8	2TB Harddisk (Surveillance). (Approved Rate Sl.No. 7)								
		Nos	6				6.00		
			Approved Rate					7700.00	
							6.00	7700.00	46,200.00
9	6 pin spike Pin . (Approved Rate Sl.No. 11)								
		Nos	3				3.00		
			Approved Rate					590.00	
							3.00	590.00	1,770.00
10	Outdoor supportable CAD6/CAD5 Cable / power cable FRLS . (Approved Rate Sl.No. 12)								
		Mtr	320				320.00		
			Approved Rate					140.00	
							320.00	140.00	44,800.00
11	HDMI Patch Cable- for connectivity. (Approved Rate Sl.No. 14)								
		Mtr	4				4.00		
			Approved Rate					550.00	
							4.00	550.00	2,200.00
12	6 U Rack with SS Lock & Key. (Approved Rate Sl.No. 16)								
		Nos	2				2.00		
			Approved Rate					5400.00	
							2.00	5400.00	10,800.00
13	12V/2.5A Adopter. (Approved Rate Sl.No. 17)								
		Nos	36				36.00		
			Approved Rate					285.00	
							36.00	285.00	10,260.00
14	Junction Metal Box. (Approved Rate Sl.No. 20)								
		Nos	36				36.00		
			Approved Rate					450.00	
							36.00	450.00	16,200.00
15	Circuit Breaker for CCTV protection. (Approved Rate Sl.No. 21)								
		Mts	36				36.00		
			Approved Rate					252.00	
							36.00	252.00	9,072.00

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Sl. No.	Description of Item	Unit	No.	L(m)	B(m)	D(m)	Qty.	Rate(Rs)	Amount(Rs)
16	3 pin socket. (Approved Rate Sl.No. 22)								
		Nos	36				36.00		
			Approved Rate					100.00	
							36.00	100.00	3,600.00
17	Hardware items and fixing charges. (Approved Rate Sl.No. 23)								
		Nos	36				36.00		
			Approved Rate					480.00	
							36.00	480.00	17,280.00
18	40" LED TV- Reputed make. (Approved Rate Sl.No. 24)								
		Nos	1				1.00		
			Approved Rate					45000.00	
							1.00	45000.00	45,000.00
19	UPS - 2 Hours Backup. (Approved Rate Sl.No. 25)								
		Nos	1				1.00		
			Approved Rate					8704.00	
							1.00	8704.00	8,704.00
20	Battery - 2 Hours Backup. (Approved Rate Sl.No. 26)								
		Nos	1				1.00		
			Approved Rate					10776.00	
							1.00	10776.00	10,776.00
21	5 Port Switch. (Approved Rate Sl.No. 27)								
		Nos	1				1.00		
			Approved Rate					575.00	
							1.00	575.00	575.00
22	CPU - I3 Processor- 450MHz, 8GB RAM, 250GB Hard Disk Full Core. (Approved Rate Sl.No. 28)								
		Nos	1				1.00		
			Approved Rate					41564.00	
							1.00	41564.00	41,564.00
23	Outdoor supportable CAD6/CAD5 Cable - cabling, laying chargese. (Approved Rate Sl.No. 29)								
		Mts	320				320.00		
			Approved Rate					140.00	
							320.00	140.00	44,800.00
24	Installation charges for cameras and NVR (4-1). (Approved Rate Sl.No. 30)								
		Mts	36				36.00		
			Approved Rate					2950.00	
							36.00	2950.00	106,200.00
25	IP Configuration. (Approved Rate Sl.No. 31)								
		Mts	36				36.00		
			Approved Rate					500.00	

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Sl. No.	Description of Item	Unit	No.	L(m)	B(m)	D(m)	Qty.	Rate(Rs)	Amount(Rs)
							36.00	500.00	18,000.00
26	Maintenance Uplink of CCTV Cameras. (Approved Rate Sl.No. 32)								
		Mts	36				36.00		
			Approved Rate					145.00	
							36.00	145.00	5,220.00
									998,417.00
	Sub Total								1,583.00
	Add for Utility Shifting and Miscellenous Charges								1,000,000.00
	Total Amount								

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW,P IWTD SR of 2016-17 and Approved Rates
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No: 16
B.B.M.P

Assistant Executive Engineer
Yeshwanthapura Sub Division
B.B.M.P

Executive Engineer
Rajarajeshwarinagar Division
B.B.M.P

ನಂ.: 34 ದಿನಾಂಕ: 6/6/2017
ರೂ. 10.00 ಲಕ್ಷ (ಹತ್ತು ಲಕ್ಷ ರೂಪಾಯಿ ಮಾತ್ರ)
ಅಂದಾಜು ಪಟ್ಟಿ ... ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-72

ನಂ.: 03 ದಿನಾಂಕ: 6/6/17
ರೂ. 10.00 ಲಕ್ಷ (ಹತ್ತು ಲಕ್ಷ ರೂಪಾಯಿ ಮಾತ್ರ)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ರಾಜರಾಜೇಶ್ವರಿ
ನಗರ ವಿಭಾಗ, ಬೆಂಗಳೂರು

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